Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2016, Iowa

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Net Electricity Imports [h]	Total [f,i]
			Distillate Fuel Oil [b]	Petroleum Coke	Residual Fuel Oil [c]	Total			Wood and Waste [e,f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours			Million Kilowatthours				
1960	2,118	49	259	0	39	298	0	879	– –	0	NA	NA	0	– –
1965	2,760	52	183	0	27	210	0	926	– –	0	NA	NA	0	– –
1970	4,030	78	327	0	49	375	0	934	– –	0	NA	NA	0	– –
1975	4,936	47	507	0	214	722	2,291	877	– –	0	NA	NA	0	– –
1980	10,745	7	168	0	63	231	2,563	945	– –	0	NA	NA	0	– –
1985	12,491	2	101	0	2	103	1,927	988	– –	0	0	0	1,059	– –
1990	15,482	4	123	0	0	123	3,012	875	– –	0	0	0	0	– –
1995	17,877	5	154	0	0	154	3,730	1,003	– –	0	0	(s)	0	– –
1996	17,994	3	140	0	0	140	3,924	935	– –	0	0	(s)	0	– –
1997	18,322	4	219	0	0	219	4,149	805	– –	0	0	(s)	165	– –
1998	20,163	6	275	0	0	275	3,768	913	– –	0	0	(s)	67	– –
1999	20,206	5	308	0	0	308	3,640	946	– –	0	0	326	28	– –
2000	21,317	5	223	0	0	223	4,453	904	– –	0	0	494	(s)	– –
2001	21,305	6	218	0	0	218	3,853	845	– –	0	0	488	5	– –
2002	21,504	5	136	0	0	136	4,574	946	– –	0	0	919	0	– –
2003	21,680	4	212	0	0	212	3,988	789	– –	0	0	982	-1	– –
2004	21,873	8	177	62	0	239	4,929	946	– –	0	0	1,050	-1	– –
2005	21,072	21	355	0	0	355	4,538	960	– –	0	0	1,647	-1	– –
2006	21,236	20	270	199	0	470	5,095	909	– –	0	0	2,318	(s)	– –
2007	23,019	26	442	256	0	699	4,519	962	– –	0	0	2,757	(s)	– –
2008	24,734	18	180	152	0	332	5,282	819	– –	0	0	4,084	0	– –
2009	22,607	10	128	53	0	180	4,679	971	– –	0	0	7,421	0	– –
2010	24,780	13	183	134	0	317	4,451	948	– –	0	0	9,170	0	– –
2011	22,677	10	158	138	0	296	5,215	925	– –	0	0	10,705	(s)	– –
2012	20,747	17	204	24	0	227	4,347	766	– –	0	0	14,030	(s)	– –
2013	19,517	12	183	0	0	183	5,321	749	– –	0	0	15,565	0	– –
2014	19,705	10	127	0	0	127	4,152	879	– –	0	0	16,303	0	– –
2015	16,840	16	94	0	0	94	5,243	960	– –	0	0	17,870	0	– –
2016	14,289	21	164	0	0	164	4,703	917	– –	0	(s)	20,068	0	– –
							Trillion Btu							
1960	44.0	50.3	1.5	0.0	0.2	1.8	0.0	9.5	0.3	0.0	NA	NA	0.0	105.8
1965	58.6	52.8	1.1	0.0	0.2	1.2	0.0	9.7	0.3	0.0	NA	NA	0.0	122.6
1970	84.2	78.6	1.9	0.0	0.3	2.2	0.0	9.8	0.4	0.0	NA	NA	0.0	175.2
1975	100.6	47.3	3.0	0.0	1.3	4.3	25.2	9.1	0.4	0.0	NA	NA	0.0	187.0
1980	200.2	6.9	1.0	0.0	0.4	1.4	28.0	9.8	0.3	0.0	NA	NA	0.0	246.6
1985	227.3	2.1	0.6	0.0	(s)	0.6	20.5	10.3	0.6	0.0	0.0	0.0	3.6	264.7
1990	276.0	4.2	0.7	0.0	0.0	0.7	31.9	9.1	0.2	0.0	0.0	0.0	0.0	321.1
1995	312.2	4.7	0.9	0.0	0.0	0.9	39.2	10.3	0.7	0.0	0.0	(s)	0.0	367.0
1996	312.5	3.4	0.8	0.0	0.0	0.8	41.2	9.7	0.7	0.0	0.0	(s)	0.0	367.7
1997	317.9	4.2	1.3	0.0	0.0	1.3	43.5	8.2	0.7	0.0	0.0	(s)	0.6	375.6
1998	358.1	6.0	1.6	0.0	0.0	1.6	39.5	9.3	0.8	0.0	0.0	(s)	0.2	414.2
1999	358.5	5.3	1.8	0.0	0.0	1.8	38.0	9.7	0.9	0.0	0.0	3.3	0.1	416.8
2000	378.2	4.8	1.3	0.0	0.0	1.3	46.4	9.2	0.8	0.0	0.0	5.0	(s)	445.2
2001	378.2	5.8	1.3	0.0	0.0	1.3	40.2	8.7	1.0	0.0	0.0	5.0	(s)	439.5
2002	375.4	5.3	0.8	0.0	0.0	0.8	47.8	9.6	1.0	0.0	0.0	9.3	0.0	448.5
2003	377.4	4.3	1.2	0.0	0.0	1.2	41.6	8.0	1.0	0.0	0.0	9.9	(s)	442.8
2004	379.9	8.3	1.0	0.4	0.0	1.4	51.4	9.5	1.0	0.0	0.0	10.5	(s)	460.8
2005	364.2	21.4	2.1	0.0	0.0	2.1	47.4	9.6	1.0	0.0	0.0	16.5	(s)	459.1
2006	367.3	19.7	1.6	1.1	0.0	2.7	53.2	9.0	1.1	0.0	0.0	23.0	(s)	473.0
2007	396.8	26.2	2.6	1.5	0.0	4.0	47.4	9.5	1.5	0.0	0.0	27.2	(s)	509.7
2008	421.8	17.8	1.0	0.9	0.0	1.9	55.2	8.1	1.7	0.0	0.0	40.2	0.0	544.9
2009	385.9	10.1	0.7	0.3	0.0	1.0	48.9	9.5	1.5	0.0	0.0	72.4	0.0	528.2
2010	421.7	12.7	1.1	0.8	0.0	1.8	46.5	9.3	1.5	0.0	0.0	89.5	0.0	581.5
2011	387.1	10.0	0.9	0.8	0.0	1.7	54.6	9.0	1.4	0.0	0.0	104.0	(s)	566.8
2012	354.1	16.9	1.2	0.1	0.0	1.3	45.6	7.3	1.4	0.0	0.0	133.5	(s)	558.1
2013	333.3	12.4	1.1	0.0	0.0	1.1	55.6	7.1	1.4	0.0	0.0	148.5	0.0	558.2
2014	337.7	11.0	0.7	0.0	0.0	0.7	43.4	8.4	1.7	0.0	0.0	155.0	0.0	556.9
2015	291.8	17.1	0.5	0.0	0.0	0.5	54.8	8.9	1.9	0.0	0.0	166.5	0.0	540.0
2016	249.6	22.1	0.9	0.0	0.0	0.9	49.2	8.5	1.9	0.0	(s)	185.3	0.0	515.5

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.